

We claim:

1. A molding apparatus for forming a golf ball defining a plurality of dimples along its outer surface and at least two deep dimples accessible from said outer surface, said molding apparatus comprising:
 - a first mold half defining a hemispherical first mold surface;
 - 5 a second mold half defining a hemispherical second mold surface, said first and said second mold surfaces having a plurality of raised regions that form dimples along said outer surface of said golf ball; and
 - wherein said first mold surface and said second mold surface each include at least one outwardly extending protrusion that forms said at least one
10 deep dimple along said outer surface of said golf ball, said outwardly extending protrusion having a height at least twice that of the height of any of said plurality of raised regions.
2. The molding apparatus of claim 1, wherein said outwardly extending protrusion has a height of at least three times the height of any of said plurality of raised regions.
3. The molding apparatus of claim 1, wherein said outwardly extending protrusion has a height of at least four times the height of any of said plurality of raised regions.
4. The molding apparatus of claim 1, wherein each of said raised regions has a height of from about 0.002 inches to about 0.050 inches.
5. The molding apparatus of claim 1, wherein said at least one outwardly extending protrusion has a height of from about 0.002 inches to about 0.140 inches.
6. The molding apparatus of claim 1, wherein said first mold surface includes 1 to 6 outwardly extending protrusions and said second mold surface includes 1 to 6 outwardly extending protrusions.

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7. The molding apparatus of claim 6, wherein said hemispherical first mold surface includes said outwardly extending protrusions within a region defined from about 30 degrees latitude to about 60 degrees latitude said hemispherical second mold surface includes said outwardly extending protrusions within a region defined from about 30 degrees latitude to about 60 degrees latitude.

8. The molding apparatus of claim 1, wherein said first mold surface includes at least one outwardly extending edge protrusion located along an edge between said first mold surface and a first mating surface of said first mold half, and said second mold surface includes at least one outwardly extending edge protrusion located along an edge between said second mold surface and a second mating surface of said second mold half, said at least one outwardly extending edge protrusion of said first mold surface being aligned with said at least one outwardly extending edge protrusion of said second mold surface when said first mold half and said second mold half are closed and placed in a molding configuration.

9. The golf ball produced by the molding apparatus of claim 1.

10. The golf ball produced by the molding apparatus of claim 6.

11. The golf ball produced by the molding apparatus of claim 8.

12. A molding apparatus adapted for forming a golf ball core or intermediate ball assembly having at least two recessed regions defined along an outer surface of said golf ball core or intermediate ball assembly, said molding apparatus comprising:

5 a first mold defining (i) a generally flat first mating surface, (ii) a first concave hemispherical molding surface, and (iii) at least two projections located along a circular edge extending between said first mating surface and said first molding surface;

a second mold defining (i) a generally flat second mating surface,

- 10 (ii) a second concave hemispherical molding surface, and (iii) at least two projections located along a circular edge extending between said second mating surface and said second molding surface;

said first and second molds adapted to be placed in a molding configuration in which said first mating surface contacts said second mating surface, and said first molding surface and said second molding surface are
15 aligned with each other to form a generally spherical molding chamber, said at least two projections of said first mold also being aligned with said at least two projections of said second mold which together, serve to form said at least two recessed regions defined along an outer surface of said golf ball core or
20 intermediate ball assembly when such core or assembly is formed in said molding apparatus.

13. The molding apparatus of claim 12, wherein said at least two projections of said first mold are two (2) in number and said at least two projections of said second mold are two (2) in number.

14. The molding apparatus of claim 13, wherein said at least two projections of said first mold are located at opposite regions of said circular edge extending between said first mating surface and said first molding surface, and said at least two projections of said second mold are located at opposite regions
5 of said circular edge extending between said second mating surface and said second molding surface.

15. The golf ball core or intermediate ball assembly produced by the molding apparatus of claim 12.

16. The golf ball core or intermediate ball assembly produced by the molding apparatus of claim 13.

17. The golf ball core or intermediate ball assembly produced by the molding apparatus of claim 14.

18. A molding apparatus for forming a golf ball defining a plurality of dimples along its outer surface and at least two deep dimples accessible from said outer surface, said molding apparatus comprising:

a first mold half defining a hemispherical first mold surface;

5 a second mold half defining a hemispherical second mold surface, said first and said second mold surfaces having a plurality of raised regions that form dimples along said outer surface of said golf ball; and

wherein said first mold surface and said second mold surface each include at least one outwardly extending protrusion that forms said at least one
10 deep dimple along said outer surface of said golf ball, said outwardly extending protrusion having a height of from about 0.002 inches to about 0.140 inches.

19. The molding apparatus of claim 18, wherein said first mold surface includes at least one outwardly extending edge protrusion located along an edge between said first mold surface and a first mating surface of said first mold half, and said second mold surface includes at least one outwardly extending edge
5 protrusion located along an edge between said second mold surface and a second mating surface of said second mold half, said at least one outwardly extending edge protrusion of said first mold surface being aligned with said at least one outwardly extending edge protrusion of said second mold surface when said first mold half and said second mold half are closed and placed in a
10 molding configuration.

20. The golf ball produced by the molding apparatus of claim 18.